Appendix G: Biographical Sketches of Contributors

Dr. Harold H. Burdsall, Jr.
Forest Mycologist
USDA Forest Service
Forest Products Laboratory
1 Gifford Pinchot Dr.
Madison, WI 53705–2398

Ph.D., Mycology and Plant Pathology, Cornell University
A.B., Botany, Miami University

Research Mycologist with USDA Forest Service, Forest Products Laboratory, Center for Forest Mycology Research in Madison, WI, since 1971. Project Leader from 1982 to 1998 carrying out and leading research efforts in the study of biosystematics and biology of forest fungi. Adjunct Professor in the Department of Plant Pathology, University of Wisconsin–Madison, which entails teaching advanced mycology and assisting in advising graduate students in numerous aspects of fungal diseases. Dr. Burdsall has served national roles as councilor, secretary, vice president, and president of the Mycological Society of America and has held appointments to numerous international mycological committees. He has studied wood-inhabiting species of fungi from all parts of the world and at present is involved in research on biosystematics of the genera *Armillaria* and *Laetiporus* and on fungal diversity in Alaska. Dr. Burdsall has authored nearly 100 publications on these subjects and been involved in the risk assessment for Siberian log imports. In addition, he was on the Pest Risk Assessment Team for the import of pine logs from Chile and Mexico and eucalypts from South America. He has recently been honored with the Forest Service Chief's Superior Science Award (1997) and the USDA's prestigious Silver Plow Honor Award (1999) and was elected to the International Academy of Wood Science (1997).

Primary Contributions: Wrote individual pest risk assessments for *Heterobasidion* spp. and *Armillaria*, *Phellinus*, and *Ganoderma* spp.

Mr. Joseph F. Cavey
Entomologist
USDA Animal and Plant Health Inspection Service
4700 River Rd., Unit 133
Riverdale, MD 20737

B.S., Zoology, University of Maryland

Entomologist with USDA APHIS, Plant Protection and Quarantine, Scientific Services in Riverdale, MD. Current responsibilities include identification and taxonomy of plants and plant pests, assessment of quarantine status and policy development for intercepted organisms, quality control of pest identifications, and program coordinator for the Asian longhorned beetle. Twenty-three years' experience in APHIS as a technician, Plant Protection and Quarantine Officer, Area Entomologist, and Headquarters Staff Entomologist.

Primary Contributions: Wrote individual pest risk assessment for *Anoplophora glabripennis* and the section on description of SWPM pathways; ran queries of APHIS interception records.

Dr. Andris Eglitis
Forest Entomologist
USDA Forest Service
Central Oregon Insect and Disease Area Office

1645 Highway 20 East
Bend, OR 97701

Ph.D., Forest Entomology, University of Washington
M.S., Forest Entomology, University of Washington
B.S., Forest Management, Colorado State University

Entomologist with USDA Forest Service, Pacific Northwest Region, Central Oregon Service Center, Forest Insects and Diseases, Bend, OR since July 1989, providing technical assistance, training, technology transfer in forest insects to resource managers for four national forests, two Bureau of Land Management districts, an Indian reservation, and a national park in central Oregon. Conducted special assignment international training sessions, including "Integrated Pest Management of European pine shoot moth" in Chillan, Chile (1992), through the USDA Forest Service, International Forestry unit, and "Risk Assessment for Log Importation" in Ningbo, China (1995), through the Food and Agriculture Organization of the United Nations. Previously with USDA Forest Service, Alaska Region, Juneau, AK, from April 1979 to July 1989. Served as a U.S. Peace Corps volunteer at the University of Chile in Santiago, Chile, from August 1969 to March 1973, teaching forest entomology and building a national pest survey system. Participated on pest risk assessment teams for the importation of pine logs from Chile and Mexico and *Eucalyptus* from South America.

Primary Contributions: Wrote individual pest risk assessments for *Hylurgus ligniperda*, *Ips typographus*, and *Orthotomicus erosus*.

Dr. Robert A. Haack
Research Forest Entomologist
USDA Forest Service
North Central Research Station
1407 S. Harrison Rd., Room 220 Nisbet
Michigan State University
East Lansing, MI 48823

Ph.D., Forest Entomology, University of Florida–Gainesville
M.S., Forest Entomology, University of Wisconsin–Madison
B.S., Science Education, University of Wisconsin–Madison
B.S., Forest Science, University of Wisconsin–Madison

Research Entomologist with the USDA Forest Service, North Central Research Station in East Lansing, MI since 1986. Dr. Haack has served as the Project Leader of the Insect Unit since 1988 and has conducted research on forest insects in North America, Central America, the Caribbean, and Asia. He has also served as Adjunct Professor of Entomology and Forestry at Michigan State University since 1987. Dr. Haack has also traveled to Chile and Argentina to assist in a pest risk assessment of various forest insects. He has represented the Forest Service Research staff on five USDA APHIS New Pest Advisory Committees and two APHIS Science Panels—one for the Asian longhorned beetle, *Anoplophora glabripennis*, and one for the pine shoot beetle, *Tomicus piniperda*. He serves as a member of an international team that is developing the Exotic Forest Pest Information System for North America. Dr. Haack has published over 100 scientific articles and has been recognized with several awards, including two USDA Honor Awards for Superior Service, the USDA Forest Service Forest Insect and Disease Research Excellence Award, the North Central Research Station Quality Research Award, and the North Central Research Station Technology Transfer Award. He is acknowledged as an expert on bark- and wood-infesting insects. In addition, he served as a forestry Peace Corps Volunteer in Guatemala from 1975 to 1977 and as a CARE Regional Program manager, Highlands Soil and Forest Conservation Program, in Guatemala from 1977 to 1978.

Primary Contributions: Wrote individual pest risk assessment for *Scolytus intricatus*.

Dr. Dennis A. Haugen
Forest Entomologist
USDA Forest Service
Forest Health Protection
1992 Folwell Ave.
St. Paul, MN 55108

Ph.D., Entomology and Forest Biology, Iowa State University
M.S., Forest Entomology, University of Arkansas–Fayetteville
B.S., Forest Management and Entomology, Iowa State University

Forest entomologist with the USDA Forest Service, St. Paul Field Office, Forest Health Protection unit, since February 1993. Responsible for issues concerning forest insects in the States of Indiana, Illinois, and Missouri by working with the State Departments of Natural Resources and the national forests (Hoosier, Shawnee, and Mark Twain). Conducting an integrated pest management project for *Sirex noctilio* in Brazil with EMBRAPA (Empresa Brasileira de Pesquisa Agropecuária) since 1997. On the team for the Pest Risk Assessment for eucalypts from South America and served as a consultant to the New Zealand Pest Risk Assessment (1992) for the section on *Sirex noctilio*. Lead entomologist for a biological control program for a *Sirex noctilio* outbreak in South Australia while employed at the Waite Agricultural Research Institute, University of Adelaide (1987–1991). Postdoctoral positions with Clemson University (1985–1987) and University of California-Davis (1992–1993).

Primary Contributions: Wrote individual pest risk assessment for *Sirex noctilio*.

Dr. Michael I. Haverty
Research Forest Entomologist
USDA Forest Service
Pacific Southwest Research Station
P.O. Box 245
Berkeley, CA 94701

Ph.D., Entomology, University of Arizona
M.S., Entomology, University of Arizona
B.S., Zoology, University of California–Davis

Chief Research Entomologist with the USDA Forest Service, Pacific Southwest Research Station (PSW), Western Center for Chemical Ecology of Forest Insects in Albany, CA. After completing a year of postdoctoral study at the University of Arizona, in 1975 Dr. Haverty joined the Forest Service as the Project Leader of the Wood Products Insect Laboratory in Gulfport, MS. In 1977, he transferred to the Pacific Southwest Forest and Range Experiment Station in Berkeley, CA, to become the Project Leader of the Insecticide Evaluation Project. During his tenure, Dr. Haverty also served as the Acting Project Leader of the Field Evaluation of Chemical Insecticides research work unit in Davis, CA. While with the PSW Station, he initiated new research work to study the insects impacting conifer regeneration—specifically insects affecting cones, seeds, nursery stock, and plantations. In 1993, Dr. Haverty became Project Leader of the newly formed Chemical Ecology of Forest Insects research work unit. He has published about 115 scientific articles on the biology and control of termites and other forest insect pests. Acknowledged as an expert on wood-destroying insects, Dr. Haverty has served as an instructor for a course on the subject through the University of California Independent Study. He has served as an expert witness in litigation and in consultations to avoid litigation. He is currently the Codirector for Research for the Structural Pest Research and Extension Center, which is sponsored by the PSW Research Station and the University of California.

Primary Contributions: Wrote individual pest risk assessments for drywood and subterranean termites and a case history of the Formosan subterranean termite.

Dr. Charles S. Hodges
Forest Pathologist, Retired
Department of Plant Pathology
P.O. Box 7616
North Carolina State University
Raleigh, NC 27695

Ph.D., Mycology, University of Georgia
M.S., Forest Pathology, University of Idaho
B.S., Forest Management, University of Idaho

Visiting Professor of Plant Pathology at North Carolina State University since 1987. Retired in 1987 from the USDA Forest Service after 33 years of service. Held Adjunct Professor appointments with North Carolina State University, Duke University, and the University of Hawaii. During his tenure with the Forest Service, he was involved in forest management, forest management research, and research on the diagnosis, etiology, and control of forest nursery diseases, annosum root rot, and diseases affecting native and introduced trees in Hawaii and other Pacific island groups. From 1977–84, Dr. Hodges served as Director of the Institute of Pacific Islands Forestry in Honolulu, HI, and from 1985 to 1987 was Leader of Forest Disease Research in Washington, DC. He has extensive overseas experience, primarily in tropical countries. Dr. Hodges spent 3 years in Brazil on assignment with the Food and Agriculture Organization conducting research in forest pathology, training local counterparts, and setting up a research laboratory. Since 1987, he has served as a consultant on forest pathology projects for the Agency for International Development in Niger and Ecuador; for the National Park Service in the Azores, Madeira, and Canary Islands; and for the USDA Forest Service in Brazil. Dr. Hodges served as a consultant with the Swedish forestry consulting firm Interforest AB evaluating pathogens in *Eucalyptus* and *Acacia mangium* plantations in Vietnam. He has worked extensively in Mexico, Venezuela, Colombia, Guatemala, and Indonesia as an associate of Zoebel Forestry Associates primarily diagnosing forest disease problems and teaching short courses in forest pathology. In 1998, he served as a member of the USDA Forest Service–APHIS pest risk assessment team for importation of *Eucalyptus* logs from Brazil.

Primary Contributions: Wrote individual pest risk assessments for *Erythricium salmonicolor, Ceratocystis fimbriata,* and *Phellinus noxious.*

Dr. Daniel R. Kucera
Forest Entomologist, Retired
337 Staghorn Way
W. Chester, PA 19380

Ph.D., Forest Entomology, University of Michigan
M.S., Forest Entomology, Duke University
B.S.F., Stephen F. Austin State University (Texas)

Retired U.S. Forest Service employee after over 37 years of service. Holds Adjunct Professorship at University of Delaware and V. Williamson Free School of Mechanical Trades, and is a consultant and lecturer. During his tenure with the Forest Service, Dr. Kucera was involved in forest management, timber sales, pest management, pest risk assessment for Siberian larch, and, more recently, in international forestry with the countries of Kenya, Mexico, England, and Russia. Since 1990, he has made eight trips to Russia dealing with forestry issues, quarantine, and basic research on forest pests (insects and diseases) and has coauthored three papers on Russian pests. Presently, he and Dr. Baranchikov (Assistant Director, Sukachev Forest Institute, Siberia) are preparing a Russian–English dictionary of entomological terms. In 1995, Dr. Kucera received the U.S. Forest Service International Award for activities with foreign countries. Recently he prepared a pest risk assessment for the U.S. Forest Service on the Asian longhorned beetle. He has published over 45 scientific articles. At present he is cooperating with the U.S.

Forest Service, Agricultural Research Service, APHIS, Agency for International Development, and universities in international pest problems in Russia as a U.S. Forest Service volunteer through the Northeastern Area, State and Private Forestry. A basic understanding of French, Spanish, Slovak, Czech, and Russian has aided in his international activities.

Primary Contributions: Updated case histories of introductions for chestnut blight fungus and Dutch elm disease fungus and wrote case histories for recent introductions of Asian longhorned beetle, pine shoot beetle, and smaller Japanese cedar longhorned beetle.

Dr. John D. Lattin
Rice Professor of Systematic Entomology, Emeritus
Oregon State University
Department of Entomology
Corvallis, OR 97331–2907

Ph.D., Entomology, University of California–Berkeley
M.A., Entomology, University of Kansas
B.S., Zoology and Entomology, Iowa State University

Rice Professor of Systematic Entomology (emeritus), Department of Entomology, Oregon State University. Taught and conducted research—especially in Systematic Entomology—since 1955 specializing in the Hemiptera: Heteroptera. Served as Assistant Dean of Science (1967–73), Head of Biology Degree Program (1975–77), Acting Chairman of Entomology (1974–76), and Associate Dean of Science (1982–87). As Head of the Systematic Entomology Laboratory in the Department of Entomology at Oregon State University (1955–96), Dr. Lattin developed the facility into one of the top 15 collections in North America. He has published over 110 scientific papers. Sabbatical leaves included a National Science Foundation (NSF) Science Faculty Fellowship to the Netherlands (1965–66), a Senior Fulbright Research Fellow in the Netherlands (1973–74), and a Visiting Scholar at Oxford University (1987). Awards have included the Carter Award for Teaching and the Gilfillan Award for long-term research.

In 1990–92, he took an assignment with the Office of Technology Assessment (Washington, DC) on the impact of nonindigenous species upon the United States. He wrote a considerable part of the "Pest Risk Assessment of the Importation of Larch from Siberia and the Soviet Far East" published in 1991 and has reviewed every document produced on risk assessment and the introductions of organisms and raw wood into the United States since 1990. He was asked to testify in the U.S. Congress on raw log importation risks in June 1994. Other international activities included being an invited member of the U.S. Delegation of the Binational Panel of the U.S. National Science Foundation and Hungarian Academy of Sciences to assist Hungarian scientists in establishing a long-term ecological research program; he has also served on the Binational Panel of U.S.–U.K. scientists to establish global research priorities for soil biology.

Primary Contributions: Wrote individual pest risk assessment for *Aradus cinnamomeus*.

Dr. William J. Mattson
Research Forest Entomologist
USDA Forest Service
North Central Research Station
5985 Hwy. K
Rhinelander, WI 54501

Ph.D., Insect Ecology, University of Minnesota
M.S., Forest Entomology, University of Michigan

B.S., Wildlife Biology, University of Michigan

Dr. William J. Mattson is Chief Insect Ecologist at the Forestry Sciences Laboratory located in Rhinelander, WI, of the USDA Forest Service, North Central Forest Research Station, where he has done research for 33 years. Dr. Mattson has also served as Adjunct Professor of Forest Entomology at the University of Minnesota (5 years) and Michigan State University (16 years). He has been on two teaching–research sabbaticals in Europe: 1 year at the Institut National de la Recherche Agronomique, Laboratory of Forest Zoology in Orleans, France, and 6 months total at the Institute for Forest Entomology and Pathology at the University of Bodenkultur in Vienna and the Finnish Forestry Research Institute in Punkaharju. He has published nearly 100 research papers, several of which in the past decade have dealt with the ecology of invasive insects. Dr. Mattson has received five distinguished science awards, four from the USDA Forest Service and one from the U.S. Department of Agriculture. He has served as an officer in the International Union of Forestry Research Organizations for the past 15 years and has organized five international symposia on plant–insect interactions. Dr. Mattson is also associate editor for *Silva Fennica* and serves on the editorial board for *Annals of Forest Science*.

Primary Contributions: Wrote section on potential environmental impacts of pest introduction.

Dr. David J. Nowak
Project Leader
USDA Forest Service
Northeastern Research Station
5 Moon Library, SUNY–CESF
Syracuse, NY 13210

Ph.D., Urban Forest Ecology, University of California–Berkeley
M.S., Urban Forestry, SUNY College of Environmental Science and Forestry
B.S., Forestry and Biology, SUNY College of Environmental Science and Forestry

Project Leader with the USDA Forest Service, Northeastern Research Station in Syracuse, NY. Principal scientist on the Chicago Urban Forest Climate Project (1991–94); recipient of the American Forests' Urban Forest Medal recognizing outstanding national contributions in urban forest research. His research investigates and models urban forest structure and change, the effect of these changes on air quality and greenhouse gases, and the potential for various insect populations to infest urban vegetation.

Primary Contributions: Developed economic damage projections for Asian longhorned beetle based upon urban tree inventory information.

Dr. Joseph G. O'Brien
Forest Pathologist
USDA Forest Service
Forest Health Protection
1992 Folwell Ave.
St. Paul, MN 55108

Ph.D., Plant Pathology, University of Minnesota
M.S., Forest Pathology, University of Michigan
B.S., Forestry, University of Michigan

Dr. O'Brien has been a plant pathologist with the USDA Forest Service, State and Private Forestry, Forest Health Protection unit since 1989. He has served as a team leader for the St. Paul plant pathology team since 1991 with responsibility for forest health issues and concerns in the upper Midwest. He has taught advanced mycology at the

University of Minnesota and participated in dozens of workshops and training sessions regarding forest tree diseases and the identification and management of hazard trees. Dr. O'Brien is presently project coordinator for the Exotic Forest Pest Information System for North America, an exotic pest risk data base sponsored by the North American Forestry Commission. He is also working on projects concerning alternatives to methyl bromide fumigation in forest nurseries, impacts of shoot blights in Lake States forests, control and eradication of oak wilt, demonstration plantings of best practices procedures for eastern white pine, and the role of age and site factors on the impacts of white trunk rot in aspen. He has coordinated a project with Mexican and U.S. scientists to identify the cause of a new decline syndrome in oak and a serious canker disease of the shade tree Parota (*Enterlobium cyclocarpum*) in Mexico. He has also supervised the development of an excellent forestry Web site at http://willow.ncfes.umn.edu.

Primary Contributions: Updated case history of introduction of the pinewood nematode, *Bursaphelenchus xylophilus,* into Japan.

Mr. Richard Orr
Senior Entomologist
USDA Animal and Plant Health Inspection Service
4700 River Rd., Unit 117
Riverdale, MD 20737-1238

M.S., Entomology, Brigham Young University
B.S., Biology, Southern Oregon University

Mr. Orr is employed as a Senior Entomologist with USDA APHIS, Policy and Program Development. His main responsibility in that capacity has been developing and testing risk processes and methodologies for use in evaluating nonindigenous organisms. He has been involved in risk assessment, risk management, and interagency and interdepartmental projects dealing with various invasive alien species. Mr. Orr has recently been detailed to work with the U.S. Department of Interior on the President's Executive Order 13112 on Invasive Species. Previous positions with USDA APHIS included Area Entomologist and Officer-in -Charge of the Houston Plant Inspection Station and a Plant Protection Officer in Houston, TX and Miami, FL. Before joining USDA APHIS, he conducted international and domestic entomological research, including a two-year natural history study of West African timber pests for the Smithsonian Institute. Over the past 15 years, he has been actively involved with ecological and distributional research involving dragonflies and damselflies for the U.S. Fish and Wildlife Service, National Park Service, Nature Conservancy, and Maryland's Department of Natural Resources.

Primary Contributions: Wrote summary of current U.S. regulations for SWPM and facilitated initial coordination of the pest risk assessment effort with other teams (economic analysis, environmental impact statement, mitigation) working on the SWPM issue.

Dr. Judith E. Pasek
Entomologist
USDA Animal and Plant Health Inspection Service
Center for Plant Health Science and Technology
1017 Main Campus Dr., Suite 2500
Raleigh, NC 27606–5202

Ph.D., Entomology, University of Nebraska–Lincoln
M.S., Entomology, University of Missouri
B.S., Natural Resources, University of Michigan

Dr. Pasek has been an entomologist with USDA APHIS, Plant Protection and Quarantine, Centers for Plant Health Science and Technology in Raleigh, NC, since 1997 and has worked primarily on forestry-related issues involving

exotic pests and pest risk assessments. She has written pest risk assessments for the pine shoot beetle to evaluate the potential and consequences of spread in the continental United States, and for thekhapra beetle. She serves as an APHIS representative on the Forestry Panel of the North American Plant Protection Organization (NAPPO) and the Insect and Disease Study Group of the North American Forestry Commission (NAFC). Dr. Pasek was a primary editor in the development of the Exotic Forest Pest Information System for North America, an exotic pest risk data base accessible through an Internet Web Site and sponsored by the NAFC. She has 17 years experience with the USDA Forest Service, including 8½ years as Leader of a Rocky Mountain Region, Forest Health Management zone office located in Rapid City, SD, that provides technical assistance on forest insect and disease issues for land managers in South Dakota, Nebraska, and northern Wyoming; 7 years with the Rocky Mountain Forest and Range Experiment Station, shelterbelt protection research unit in Lincoln, NE; 1 year with the Intermountain Forest Experiment Station, mountain pine beetle ecology research unit in Ogden, UT; and a half year with the Southern Region, Forest Pest Management staff stationed in Montgomery, AL, working on southern pine beetle spread.

Primary Contributions: Coordinated development of the pest risk assessment document, which entailed soliciting input on the risk assessment process; obtaining expert assistance and coordinating assignments; leading meetings of team members and review agencies; reviewing, revising, and integrating contributions; assisting with the development of assumptions for economic impact projections and writing results; and coordinating with the economic analysis and environmental impact statement teams. Wrote the Executive Summary, and the sections entitled Nature of the Problem, Statement of Purpose, Scope of Assessment, Assessment Approach, Definitions of SWPM, Past Pest Interceptions and Establishments Associated with SWPM, Potential for Entry and Establishment of Pests, Resources at Risk, Pest Risk Potential for Selected Pests, Conclusions, Summary of Interception Records, and Pest Risk Assessment Process; and compiled References and Biographical Sketches sections. Developed initial draft and coordinated team effort to refine risk-rating criteria for risk-rating elements.

Dr. Ronaldo A. Sequeira
Biological Scientist
USDA Animal and Plant Health Inspection Service
Center for Plant Health Science and Technology
1017 Main Campus Dr., Suite 2500
Raleigh, NC 27606-5202

Ph.D., Engineering, Texas A&M University
M.S., Entomology, Texas A&M University
B.S., Entomology, University of Florida

Dr. Sequeira has held the position of Biological Scientist/Systems Analyst with USDA APHIS, Plant Protection and Quarantine, Centers for Plant Health Science and Technology in Raleigh, NC, since 1997. He has developed pest risk assessments for karnal bunt and citrus canker using epidemiological approaches, meteorology, and geographic information systems (GIS). He has developed GIS applications for the Mediterranean fruit fly eradication programs and training materials for field personnel. He is also involved in development of automated decision support systems for regulatory and plant health issues. He serves as an APHIS representative on the Pest Risk Assessment Panel of the North American Plant Protection Organization (NAPPO). Before joining APHIS, Dr. Sequeira was Supervisory Engineer with the USDA Agricultural Research Service, Crop Simulation Research Unit, where he developed computer-based applications and worked in plant and insect mathematical modeling with particular emphasis on simulating insect damage, artificial intelligence (expert systems, machine learning), and GIS. He has extensive work experience in international programs involving survey activities for the Mediterranean fruit fly and pest mollusks in Central America, regional cotton pest management in the Mediterranean basin, and risk analysis strategies development for fruit pests in the Caribbean region. His graduate research focused on object-oriented models to study systems dynamics and complex emergent properties as well as classical biological control and population dynamics of arthropods.

Primary Contributions: Developed methodology and assumptions for economic impact projections and provided oversight of contract work to analyze timber inventory information and generate figures displaying results. Wrote sections on economic impact projections for timber resources. Helped coordinate work with economic analysis team. Generated summary figures from data base of actionable interdictions of shipments with SWPM.

Dr. Eugene B. Smalley
Professor Emeritus
Department of Plant Pathology
University of Wisconsin
Madison, WI 53705

Ph.D., Plant Pathology, University of California–Berkeley
M.S., Plant Pathology, University of California–Berkeley
B.S., Subtropical Horticulture, University of California–Los Angeles

Professor Emeritus, Department of Plant Pathology, University of Wisconsin–Madison. Dr. Smalley retired in 1994 after 37 years of service. He was Chairman, Department of Plant Pathology (1988–89) and Associate Chairman (1990–94). His mycotoxin research sought to define host genotypes, environments, conditions, and arthropod interactions under which mycotoxin pandemics develop. Related interdisciplinary research addressed the role of mycotoxins as causal factors in the Kaschin–Beck disease of humans in China and the related tibial dyschondroplasia in poultry. His forestry research emphasized the selection and breeding of elms for disease resistance (e.g., Dutch elm disease), hardiness, and general architecture for urban and forestry use. His research used the *Ophiostoma–Ulmus* system as a model for determining the chemical, physical, morphological, and genetic bases of disease resistance in the Ulmaceae. Related forestry research concerned the origins of virulence in the Ophiostomatales in relation to their arthropod vectors. Dr. Smalley has served on the American Phytopathological Society, Office of International Programs (OIP) board since 1988. He was an awardee in the National Academy of Sciences, CSCPRC Program on Research in the People's Republic of China (April to September 1983) and also served on the NAS–NRC Committee on Defense against Mycotoxins (1982–84). He served as a UNDP–FAO mycology consultant in Thailand (1985–86) and in China in 1987 and 1988. Dr. Smalley also served as a consultant in Forest Pathology and Dutch elm disease to the Chinese Ministry of Forestry (1987). In 1995, he led a team of five U.S. scientists to China, in cooperation with the Chinese Ministry of Forestry, concerned with the exchange of genetic materials (*Ulmus*). This exchange was a part of the 1995 USDA Foreign Agricultural Service–International Cooperation and Development Research, Scientific Exchange Division Program. He was the recipient of the USDA Agricultural Research Service, B. Y. Morrison Memorial Lectureship for 1995.

Primary Contributions: Wrote individual pest risk assessment for stains and wilts (caused by *Ophiostoma–Ceratocystis* spp.).

Mr. Borys M. Tkacz
Plant Pathologist
USDA Forest Service
Forest Health Protection, YB–2S
P.O. Box 96090
Washington, DC 20090–6090

M.S., Plant Pathology and Forest Management, Oregon State University
B.A., Botany, Rutgers University

Mr. Tkacz has been a plant pathologist with the Forest Health Protection staff in the Washington Office of the USDA Forest Service since June 1999. He was Arizona Zone Leader for the Entomology and Pathology Zone Office, USDA Forest Service, Southwestern Region in Flagstaff, AZ, from 1988 to 1999, and provided monitoring,

technical assistance, training, and technology development and transfer for forest insects and pathogens to resource managers throughout Arizona. He served as a plant pathologist with Forest Pest Management (FPM) in the Intermountain Region in Ogden, UT, from 1981 to 1988 providing technical assistance, training, and technology transfer in forest diseases to resource managers throughout Utah, Nevada, and western Wyoming. During 1991, he served as Team Leader for the joint USDA Forest Service and APHIS CoreTeam conducting a pest risk assessment of the importation of logs from Siberia and the Russian Far East and led a team of specialists from the USDA on a site visit to Siberia and the Russian Far East. The pest risk assessment involved over 70 experts in the fields of pathology, entomology, forestry and economics in the United States and Canada and paved the way for subsequent assessments for New Zealand and Chile. Since September 1995, he has led the nationally chartered Wood Import Pest Risk Assessment and Mitigation Evaluation Team of the Forest Service. This team has recently completed a pest risk assessment of the importation of pine and fir logs from Mexico into the United States and is working on a pest risk assessment of the importation of *Eucalyptus* from South America. Mr. Tkacz represents the United States on the Executive Board for the Exotic Forest Pest Information System for North America.

Primary Contributions: Drafted summary table of pest risk potentials, developed list of potential technical reviewers, provided relevant information from previous log import pest risk assessments, participated in team discussions, and facilitated project coordination with WIPRAMET team members.

Dr. William E. Wallner
Research Forest Entomologist, Retired
USDA Forest Service
Northeastern Center for Forest Health Research
51 Mill Pond Rd.
Hamden, CT 06514

Ph.D., Entomology and Plant Pathology, Cornell University
B.S., Agriculture, University of Connecticut

Dr. Wallner was Senior Research Forest Entomologist with the USDA Forest Service, Northeastern Center for Forest Health Research in Hamden, CT, until retirement in April 2000. Before joining the Forest Service in 1976, he was Professor of Entomology at Michigan State University for 13 years and currently holds a joint appointment with Yale University. He has conducted research on forest insects in Europe and Asia and is a specialist on the gypsy moth. He has made scientific trips to the former Soviet Union on 13 occasions and spent 6 months there in 1989 as a U.S. Academy of Sciences scholar. At the invitation of the Chinese Academy of Forestry, he conducted research on forest pests in China for 3 ½ months in 1982. He has published over 125 scientific articles and was recognized for his contributions with USDA's highest award for superior service in 1993. Acknowledged as an expert on invasive forest pests, Dr. Wallner has served on science panels for exclusion and eradication programs for Washington, Oregon, California, North and South Carolina, and British Columbia, Canada. As a member of the USDA Forest Service Pest Risk Assessment and Mitigation Evaluation Team, he has traveled to numerous countries to observe harvesting, yarding, and shipping operations to assess their potential as pathways for invasive pests, and has written portions of pest risk assessments for log imports from Russia, Mexico, and South America.

Primary Contributions: Wrote individual pest risk assessments for *Lymantria dispar* (Asian biotype), *Lymantria monacha*, *Pterophylla beltrani*, and *Sarsina violescens*.